

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Original
to Appropriate
District Office

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION
ARTESIA DISTRICT
DEC 12 2018

GAS CAPTURE PLAN

Date: 12/06/17

RECEIVED

Original Operator & OGRID No.: BOPCO, LP [260737]

Amended - Reason for Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility: Poker Lake Unit 28 BS East CTB

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Poker Lake Unit 28 BS 701H		E-28-25S-31E	2310' FNL & 600' FWL	3200	Flared/Sold	
Poker Lake Unit 28 BS 901H		E-28-25S-31E	2310' FNL & 630' FWL	2900	Flared/Sold	
Poker Lake Unit 28 BS 121H		E-28-25S-31E	2310' FNL & 660' FWL	5000	Flared/Sold	
Poker Lake Unit 28 BS 122H		E-28-25S-31E	2310' FNL & 690' FWL	5000	Flared/Sold	
Poker Lake Unit 28 BS 102H		E-28-25S-31E	2310' FNL & 720' FWL	3100	Flared/Sold	
Poker Lake Unit 28 BS 703H		F-28-25S-31E	2310' FNL & 1920' FWL	3200	Flared/Sold	
Poker Lake Unit 28 BS 903H		F-28-25S-31E	2310' FNL & 1950' FWL	2900	Flared/Sold	
Poker Lake Unit 28 BS 123H		F-28-25S-31E	2310' FNL & 1980' FWL	5000	Flared/Sold	
Poker Lake Unit 28 BS 124H		F-28-25S-31E	2310' FNL & 2010' FWL	5000	Flared/Sold	
Poker Lake Unit 28 BS 104H		F-28-25S-31E	2310' FNL & 2040' FWL	3100	Flared/Sold	
Poker Lake Unit 28 BS 705H		G-28-25S-31E	2310' FNL & 2040' FEL	3200	Flared/Sold	
Poker Lake Unit 28 BS 905H		G-28-25S-31E	2310' FNL & 2010' FEL	2900	Flared/Sold	
Poker Lake Unit 28 BS 125H		G-28-25S-31E	2310' FNL & 1980' FWL	5000	Flared/Sold	
Poker Lake Unit 28 BS 126H		G-28-25S-31E	2310' FNL & 1950' FEL	5000	Flared/Sold	
Poker Lake Unit 28 BS 106H		G-28-25S-31E	2310' FNL & 1920' FEL	3100	Flared/Sold	
Poker Lake Unit 28 BS 707H		H-28-25S-31E	2310' FNL & 720' FEL	3200	Flared/Sold	
Poker Lake Unit 28 BS 907H		H-28-25S-31E	2310' FNL & 690' FEL	2900	Flared/Sold	
Poker Lake Unit 28 BS 127H		H-28-25S-31E	2310' FNL & 660' FEL	5000	Flared/Sold	
Poker Lake Unit 28 BS 128H		H-28-25S-31E	2310' FNL & 630' FEL	5000	Flared/Sold	
Poker Lake Unit 28 BS 101H 30-015-45540		H-28-25S-31E	2310' FNL & 600' FWL	3100	Flared/Sold	



Database: EDM 5000.1 Single User Db
 Company: XTO Energy
 Project: Eddy County, NM (NAD-27)
 Site: PLU 28 Big Sinks
 Well: #108H
 Wellbore: OH
 Design: PERMIT

Local Co-ordinate Reference: Well #108H
 TVD Reference: RKB = 27' @ 3365.00usft
 MD Reference: RKB = 27' @ 3365.00usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
108H: SHL (2310' FNI - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	401,304.80	672,581.20	32.102077	-103.775996
108H: LTP, - plan misses target center by 1.14usft at 24575.04usft MD (11512.98 TVD, -13283.91 N, 305.82 E) - Point	0.00	0.00	11,511.84	-13,283.90	305.90	388,020.90	672,887.10	32.065556	-103.775230
108H: PBHL (200' FS - plan hits target center - Point	0.00	0.00	11,511.84	-13,413.90	306.20	387,890.90	672,887.40	32.065199	-103.775231
108H: FTP/ LP, - plan hits target center - Point	0.00	0.00	11,623.00	-676.70	268.50	400,628.10	672,849.70	32.100213	-103.775140

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
949.00	949.00	Rustler			
1,320.00	1,320.00	Top Salt			
4,063.00	4,063.00	Base Salt			
4,275.00	4,275.00	Delaware			
5,252.00	5,252.00	Cherry Canyon			
6,938.00	6,938.00	Brushy Canyon			
7,987.00	7,987.00	Basal Brushy Canyon			
8,197.00	8,197.00	Bone Spring			
9,269.58	9,266.00	1st Bone Spring Ss			
9,673.12	9,668.00	2nd Bone Spring Lm			
9,895.96	9,890.00	2nd Bone Spring Ss			
10,450.07	10,442.00	3rd Bone Spring Lm			
11,169.36	11,158.00	3rd Bone Spring Ss			
11,701.78	11,565.00	Wolfcamp			